

1030A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information
please call

1-800-Belden1



General Description:

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 16 | 7x24 | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .016 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 18 | 7x26 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .037 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & White |

Overall Nominal Diameter: 0.257 in.

Pair

Pair Lay Length & Direction:

| Lay Length (in.) | Twists (twist/ft) |
|------------------|-------------------|
| 3.000 | 4.000 |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|---------------------|
| Operating Temperature Range: | -30°C To +105°C |
| Bulk Cable Weight: | 42.300 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 40 lbs. |
| Min. Bend Radius/Minor Axis: | 2.600 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|----------------------------|
| NEC/(UL) Specification: | ITC, PLTC |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2464 (300 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |

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| | |
|---------------------------------------|------------|
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |

Flame Test

| | |
|------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Suitability

| | |
|----------------------|-----|
| Sunlight Resistance: | Yes |
|----------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

61

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

114

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.7

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.1

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

11 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|-----------|-------------|-------------|-------|------------------|
| 1030A 0061000 | 1,000 FT | 45.000 LB | BLUE, LIGHT | C | 2 #16 PVC FS PVC |
| 1030A 00610000 | 10,000 FT | 470.000 LB | BLUE, LIGHT | C | 2 #16 PVC FS PVC |
| 1030A 0065000 | 5,000 FT | 220.000 LB | BLUE, LIGHT | | 2 #16 PVC FS PVC |
| 1030A 0101000 | 1,000 FT | 46.000 LB | BLACK | C | 2 #16 PVC FS PVC |
| 1030A 01010000 | 10,000 FT | 480.000 LB | BLACK | C Z | 2 #16 PVC FS PVC |
| 1030A 0105000 | 5,000 FT | 225.000 LB | BLACK | C Z | 2 #16 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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